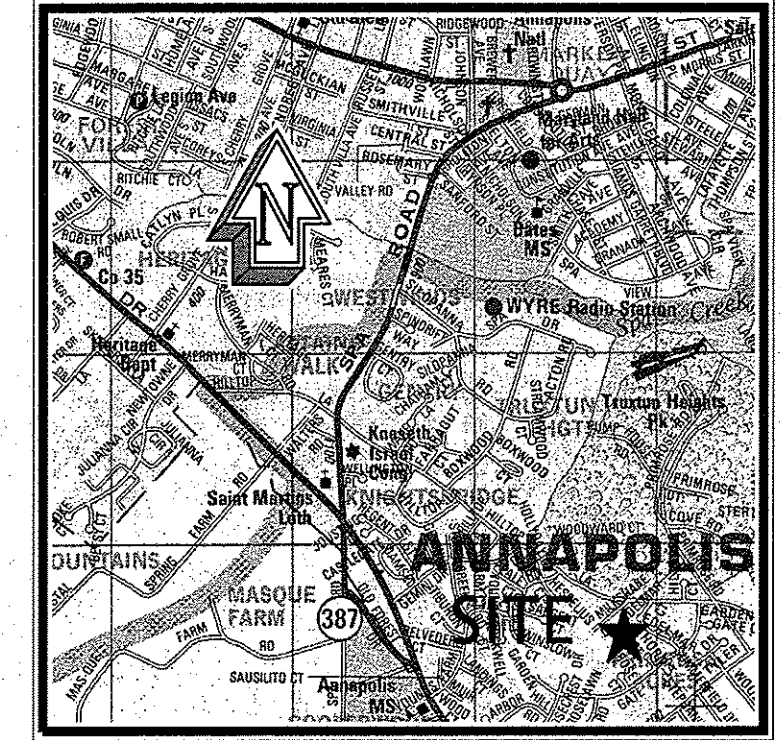


SIMPLIFIED FOREST STAND DELINEATION PLANS
OF
PRIMROSE HILL
3 MILKSHAKE LANE
TAX MAP 51I, GRID 4, PARCEL 319
CITY OF ANNAPOLIS, MARYLAND
SIXTH DISTRICT ANNE ARUNDEL COUNTY ZONED R2



VICINITY MAP
SCALE: 1"=2000'
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PERMITTED USE NO. 08301200

EXISTING TREE TABLE

GENERAL NOTES

Date: JAN 2013										FSD TREE ASSESSMENT TABLE										Project: PRIMROSE HILL	
Tree #	DBH	Common Name	Botanical Name	Age Estimate	Condition Rating %	Condition Rating	Approx Canopy Radius (FT)	CRZ Critical Root Zone Radius in FT (1.5 x maximum DBH)	Priority for Preservation (1-4)	Additional Notes	Condition Notes										
	(Diameter at 4.5 feet above grade)																				
2	52	beech, European	<i>Fagus sylvatica</i>	111	63	Fair	45	78	1	Damaged, rotting trunk; copper cultivar, significant upper crown decline in 1 half, needs restoration	Large DW (3+*), Trunk Decay, Broken Limbs, Mechanical Damage,										
3	42	pecan	<i>Carya illinoensis</i>	105	67	Fair	40	63	2	prune, air layered limb, large trunk decay on declining side, english ivy at base, frass, large broken leader (14")	Large DW (3+*), Broken Limbs, Vines,										
4	36	pecan	<i>Carya illinoensis</i>	90	53	Fair	28	54	2	Trunk cavity at base, further inspection required	One Sided, Trunk Decay, Basal Decay,										
10	22	elm, spp.	<i>Ulmus spp.</i>	50	59	Fair	28	33	3	Some crown dieback; 23, 8, crown decline in thin crown,	Large DW (3+*), Vines,										
13	28	maple, red	<i>Acer rubrum</i>	78	63	Fair	27	42	3	Some vine cover (English ivy)	Large DW (3+*), Broken Limbs, Weak Union, Vines,										
18	25	pine, eastern white	<i>Pinus strobus</i>	63	58	Fair	21	38	3	poor vigor, thin crown	Large DW (3+*), Broken Limbs, Stressed, Vines,										
19	29	oak, willow	<i>Quercus phellos</i>	62	70	Good	34	44	1		Full Crown, Large DW (3+*), Vines,										
20	21	maple, red	<i>Acer rubrum</i>	58	41	Poor	25	32	4	Broken leader	Broken Limbs, Weak Union, Serious Decline,										
* 25	27	oak, pin	<i>Quercus palustris</i>	57	70	Good	30	41	1	Some vine cover (English ivy)	Large DW (3+*), Weak Union, Vines,										
28	27	oak, willow	<i>Quercus phellos</i>	57	70	Good	30	41	1	Vine cover (English ivy)	One Sided, Vines,										
* 29	31	oak, willow	<i>Quercus phellos</i>	66	70	Good	30	47	1	Vine cover (English ivy) & broken limbs	One Sided, Large DW (3+*), Vines,										
43	35	pecan	<i>Carya illinoensis</i>	88	66	Fair	40	53	2		One Sided, Weak Union, Vines,										
44	20	pecan	<i>Carya illinoensis</i>	50	70	Good	22	30	2		One Sided, Suppressed,										
45	38	pecan	<i>Carya illinoensis</i>	95	72	Good	38	57	1		Full Crown, Vines,										
46	31	pecan	<i>Carya illinoensis</i>	78	63	Fair	25	47	2	Lightning strike; broken limbs	One Sided, Broken Limbs, Vines, Mechanical Damage,										
50	25	locust, black	<i>Robinia pseudoacacia</i>	66	44	Poor	20	38	4	Severe crown dieback, broken limbs	Weak Union, Serious Decline,										
56	45	boxelder	<i>Acer negundo</i>	79	44	Poor	35	68	3	Trunk cavity/ large decay area, crown dieback, vine cover	Trunk Decay, Branch Decay, Stressed, Vines,										
59	25	elm, American	<i>Ulmus americana</i>	54	70	Good	33	38	1		Full Crown, Vines,										
63	34	pecan	<i>Carya illinoensis</i>	85	70	Good	34	51	1		Trunk Decay, Broken Limbs, Vines,										
92	38	cherry, black	<i>Prunus serotina</i>	95	47	Poor	40	57	3	Twin with weak crotch, crown dieback, heavy vine cover, broken limbs	Large DW (3+*), Vines,										
94	28	cherry, black	<i>Prunus serotina</i>	70	56	Fair	25	42	3	Leaning, vine cover (English ivy)	Vines, Overhead Utility,										
112	28	cherry, black	<i>Prunus serotina</i>	70	48	Poor	20	42	4	Leaning, crown dieback, broken limbs	Large DW (3+*), Root Damage/Decay, Vines, Overhead Utility, Excessive Lean,										
118	24	maple, red	<i>Acer rubrum</i>	67	56	Fair	18	36	3	Vine cover (English ivy)	Large DW (3+*), Trunk Decay, Vines, Overhead Utility,										

- A. TOTAL SITE AREA = 4.35 ACRES
B. TOTAL FOREST AREA = 0 ACRES
C. TOTAL FLOODPLAIN AREA = 0 ACRES
D. NO RARE, THREATENED, OR ENDANGERED SPECIES ARE KNOWN TO EXIST ON THE PROPERTY.
E. THE FOREST STAND DELINEATION FIELD WORK WAS CONDUCTED BY CARY HULSE OF DAVEY RESOURCE GROUP ON MAY 29, 2012 AND JANUARY 23, 2013. WHILE THE SITE CONTAINS NUMEROUS TREES THAT HAVE DIAMETERS-AT-BREAST HEIGHT OF 6 INCHES OR GREATER, THE FOREST STAND DELINEATION STUDY REVEALED THAT NO AREAS QUALIFYING AS FOREST UNDER THE STATE FOREST CONSERVATION ACT EXIST ON THE PROPERTY. THE EXISTING TREES, MANY OF WHICH ARE IN POOR CONDITION, ARE GENERALLY SCATTERED THROUGHOUT THE PROPERTY AND THE UNDERSTORY IS MOWED/MAINTAINED IN MOST AREAS. THE PROPERTY ALSO CONTAINS NUMEROUS LANDSCAPE BEDS AND A VERY HIGH PERCENTAGE OF INVASIVE SPECIES SUCH AS BAMBOO, JAPANESE HONEYSUCKLE, PERIWINKLE, AND ENGLISH IVY. AN AREA OF WOODS AT THE SOUTHERN TIP OF THE PROPERTY IS LESS THAN 10,000 SQUARE FEET IN SIZE AND DOES NOT QUALIFY AS FOREST. THE DOMINANT TREE IN THIS AREA IS BLACK CHERRY, ALTHOUGH A FEW WHITE PINE AND ELM ALSO EXIST. THE THICK HERBACEOUS LAYER IS DOMINATED BY A 90% COVER OF INVASIVE AND NUISANCE VINES SUCH AS JAPANESE HONEYSUCKLE, POISON IVY, TRUMPET CREEPER, AND ENGLISH IVY. MANY OF THE TREES IN THIS AREA ARE ALSO COVERED TO VARYING DEGREES BY THE VINES.
F. A WETLAND DELINEATION IN ACCORDANCE WITH THE 1987 CORPS OF ENGINEERS' WETLANDS DELINEATION MANUAL AND THE INTERIM REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: ATLANTIC AND GULF COASTAL PLAIN REGION WAS ALSO CONDUCTED BY MICHAEL J. KLEBASKO ON MAY 7, 2012. THE STUDY REVEALED THAT THE PROPERTY DOES NOT CONTAIN ANY NONTIDAL WETLANDS OR STREAMS. THE MAJORITY OF THE SITE IS DOMINATED BY UPLAND PLANT SPECIES AND THE EXISTING SOILS WERE DETERMINED TO BE NON-HYDRIC. IN ADDITION, NO EVIDENCE OF WETLAND HYDROLOGY WAS IDENTIFIED WITHIN 25-FEET OF THIS SITE. IT SHOULD BE NOTED THAT A SMALL, TRIANGULAR-SHAPED STORMWATER MANAGEMENT FACILITY WITH A PVC PIPE OUTFALL AND A RIP-RAP OVERFLOW APRON EXISTS AT THE NORTHERN TIP OF THE PROPERTY ADJACENT TO MILKSHAKE LANE. ALTHOUGH LIZARD TAIL WAS OBSERVED GROWING IN THIS AREA, THE SOILS DID NOT EXHIBIT REDOXYMORPHIC FEATURES AND NO WATER WAS FOUND WITHIN 24 INCHES OF THE SOIL SURFACE.
G. THE PROPERTY CONTAINS TEN (10) SPECIMEN TREES (DBH ≥ 30"), OF WHICH TWO (2) WERE DETERMINED TO BE IN POOR CONDITION.

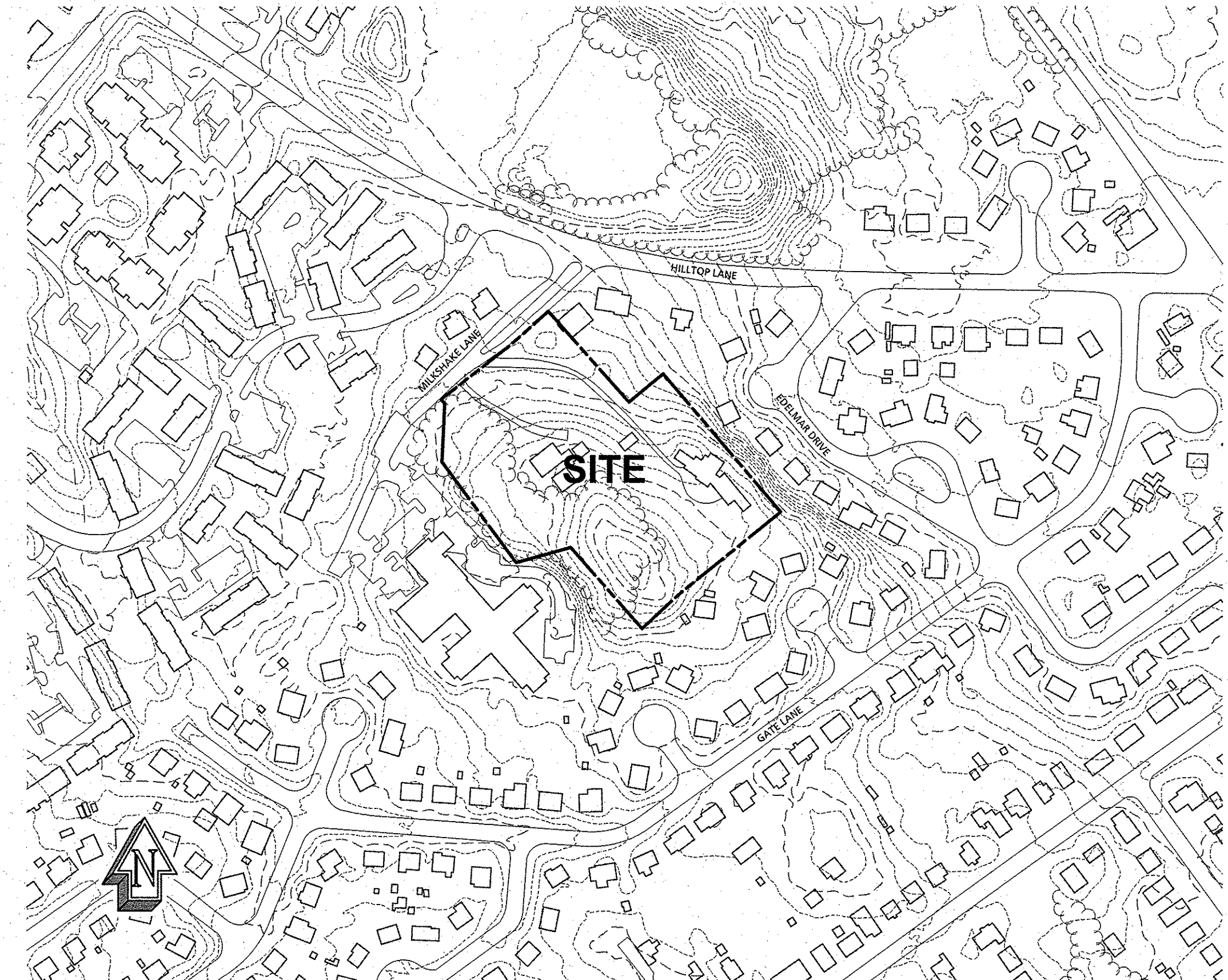
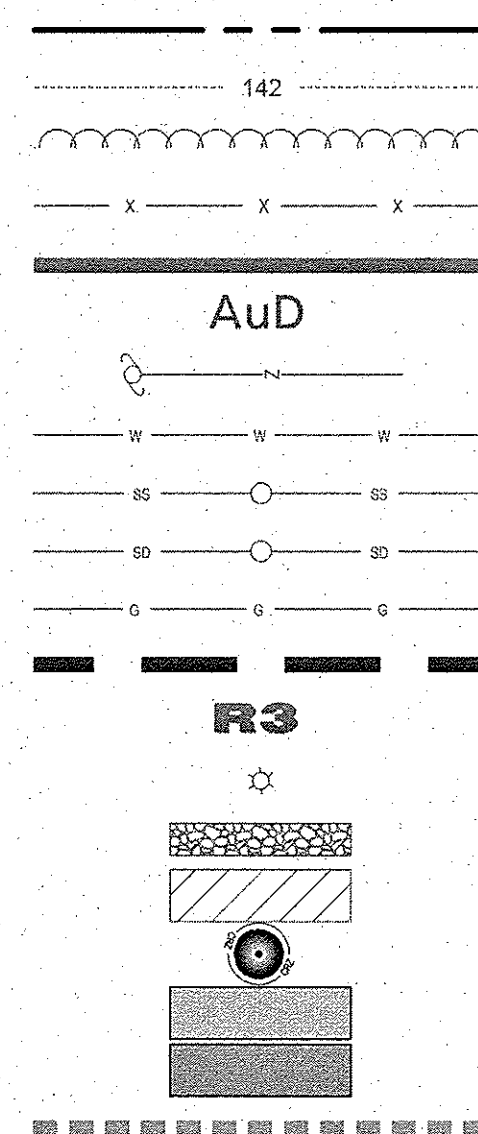
SOIL TYPES

SYMBOL	DESCRIPTION	HYDRIC	K-FACTOR	HYDROLOGICAL SOIL GROUP
AuB	ANNAPOLIS URBAN LAND COMPLEX, 0 TO 5% SLOPES	NO	0.28	B
AuD	ANNAPOLIS URBAN LAND COMPLEX, 5% TO 15% SLOPES	NO	0.28	B

SOURCE: <http://websoilsurvey.nrcs.usda.gov> (MAY, 2012)

SITE LEGEND

- PROPERTY LINE
EXISTING CONTOUR
EXISTING WOODS
EXISTING FENCE
EXISTING SOILS BOUNDARY
EXISTING SOILS DESIGNATION
EXISTING UTILITY POLE W/ OVERHEAD WIRE
EXISTING WATER
EXISTING SEWER
EXISTING STORM DRAIN
EXISTING GAS
EXISTING ZONING BOUNDARY
EXISTING ZONING DESIGNATION
EXISTING LIGHTPOLE
EXISTING RIPRAP
EXISTING EASEMENT
EXISTING TREE W/ CRITICAL ROOT ZONE (DBH ≥ 24")
EXISTING STEEP SLOPES 15% TO 25%
EXISTING STEEP SLOPES GREATER THAN 25%
BOUNDARY OF POTENTIAL HISTORIC TREES AS IDENTIFIED BY CITY OF ANNAPOLIS



LOCATION MAP
SCALE: 1"=200'



- NOTES:
1. ONLY TREES >24" DBH AND TREES THAT MAY BE 50 YEARS OR OLDER WITHIN THE HISTORIC AREA ARE DEPICTED ON THE FSD.
* 2. TREES #25 AND #29 CLASSIFIED AS "FAIR" BY DAVEY RESOURCE GROUP AND CHANGED TO "GOOD" PER DNEP REQUEST IN A LETTER DATED 3-4-13 FROM FRANK BIBA TO BAY ENGINEERING INC.

Page 1 of 1



DRAWN: C.J.H.
DESIGN: C.J.H.
CHECKED: D.A.Z.

REV. NO.
0

BASED ON PLANS PROVIDED BY
BAY ENGINEERING

TS
TS
BT

2 3-4-13
1 2-1-13

REVERSE HISTORIC DESCRIPTION
COMMIT

REV. DATE

LAND DEVELOPMENT SOLUTIONS
2138 Primrose Hill Ct., Suite 4, Crofton, MD 21114
Office 410.774.0024 • Fax 410.855.0164
National 877.818.1337

DAVEY
RESOURCE GROUP
A Division of The Davey Tree Expert Company

PRIMROSE HILL
ANNAPOLIS, MARYLAND

ELM STREET DEVELOPMENT

SCALE AS SHOWN
DATE: 09/10/2012
SHEET NO. 1 OF 2
VC #

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
DIVISION OF FOREST RESOURCES
NO. 323
1-23-17
CHRISTOPHER COMPTON